

## Abstract

Switching gas damper for low-voltage power breakers.

5 The invention relates to a switching gas damper (1) for  
low-voltage power breakers (2), which is arranged as an  
attachment above the arcing chambers (6, 7, 8) for  
additional damping, deionization and cooling of the  
switching gases. The switching gas damper (1) has a  
10 cuboid enclosure with separate inlet openings to  
receive switching gas flows (3, 4, 5) from each arcing  
chamber (6, 7, 8) in the low-voltage power breaker (2).  
Separate outlet channels (17, 21, 23) are formed by  
channel walls (16, 20) and/or by deflection elements  
15 (15, 19) and are routed on both sides of the power  
breaker (2). A variable arrangement of the deflection  
elements and outlet channels makes it possible to  
produce a number of mutually separate flow paths, with  
different desired damping and cooling characteristics,  
20 as a function of the gas amounts that occur and of the  
characteristics of the arcing chambers that are used.

Figure 1